



MONDO


MONDOTURF ECOFILL®

ECOFILL® GRANULES

Ecofill® is a patented polyolefin-based granule carefully engineered to provide all the properties of a natural grass field. When compared with quantifiable safety and performance standards of natural grass, Ecofill® provides a virtually indistinguishable surface for players to accelerate and pivot. On MondoTurf with Ecofill®, an athlete's traction and torso movement is modeled to match the same movement on a natural field so there is no compromise in athletic performance or safety.



Estadio Max Augustin • Iquitos, Peru
FIFA RECOMMENDED
2 STAR FIELD



Behrn Arena • Örebro, Sweden
FIFA RECOMMENDED
2 STAR FIELD



MONDOTURF

ECOFILL®

ABOUT ECOFILL®

MAXIMUM SAFETY

- **Stable, uniform, non-abrasive surface** reduces fatigue and minimizes risk of injury and abrasion.
- Remains in safe performance range in wet or dry environments.
- Ecofill® is more dense in comparison to reground tires or EPDM, allowing for maximum stability and reduction of granule migration.

Density

Ecofill®: gr/cm³ 1.4 ± 0.05

Reground tires: gr/cm³ 1.0 ± 0.1



ATHLETIC PERFORMANCE

- **Balance of shock absorption and energy return** engineered to duplicate the response of natural grass.
- **Controlled Compaction:** Ensures optimal penetration of the cleat. Provides firm and stable traction.
- **Dimensional Memory:** Granule will return to its original dimensions after foot and other impact forces.
- **Controlled Resilience:** Absorbs shocks by neutralizing the elastic effects typical of traditional infill material.
- **Granules will not retain heat.** With lower thermal absorption and thermal capacity than reground tires, Ecofill® reduces potential for fatigue, dehydration and the frequency of watering down fields prior to use.
- **Odor-free** even in high heat, high humidity environments.
- Reground tires carries a static charge which is less prevalent with the Ecofill® granule. Minimizes loss of granules.
- **Environmentally Safe.**
- **100% recyclable**, made with post consumer content.
- Available in two colors, Grass Green and Earth Brown.

WHO IS FIFA?

International Federation of Football Association

WHAT IS FIFA RECOMMENDED 2 STAR FIELD?

FIFA created this top-of-the-range standard to further improve playability and safety. This new benchmark will lead the industry to develop artificial turf products even closer to the perfect natural grass pitch model and provide the world of sport with the best artificial turf surfaces for the professional game. The tests includes:

Laboratory Tests:

1. Identification Tests
2. Durability
3. Climatic Resistance
4. Player/Surface Interaction
5. Ball/Surface Interaction

Field Tests

1. Construction Tests
2. Player/Surface Interaction
3. Ball/Surface Interaction

PERFORMANCE/SAFETY INDICATORS

Type of System	Shock Absorption	Energy Return
Natural Grass	60.3%	4.4%
Mondoturf Ecofill®	63.6%	7.8%
Reground Tires & Sand	61.3%	28.6%

THERMAL CHARACTERISTICS

Average Ambient Air Temperature: 88.2 °F

Type of Field	Average Turf Temperature
Natural Grass	97.0 °F
Mondoturf Ecofill®	107.0 °F
Reground Tires & Sand	129.7 °F

ABOUT MONDO CARPET

New generation fibers that provide durability, performance and playing characteristics similar to natural grass.

- New high quality polymers.
- Highly durable but not abrasive—skin friendly.
- Greater elastic memory ensures the fiber will retain its appearance and not deform even after many years of use.
- New UV protector extends life of the fiber and provides greater color stability.
- New three layer primary backing and heavy weight, heat activated polyurethane secondary backing improves dimensional stability of the system.



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